

ABSTRACT

A coupling fitting for attaching induction heater tooling to an RF induction heater uses combined RF electrical current and coolant fluid lines. The coupling fitting incorporates an o-ring seal to maintain a drip-free coolant path and a threaded accessory to urge the fitting halves together. The coupling fitting affixes each end of the tubing to be joined to a fitting half, so assembly and disassembly applies force to the two fitting halves instead of the tubing. The joint between each tube and its associated fitting half may be soldered, brazed, or attached by another permanent process.